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SEQUENCE LISTING

<110> Japan Science and Technology Agency

<120> Mouse Deficient In Glutamate Transporter GLAST Function

<130> G05-0071

<150> JP2003-114793

<151> 2003-04-18

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<212> DNA

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<212> PRT

<213> Mouse

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20 25 30

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35				40				45							
Ala	Phe	Val	Leu	Leu	Thr	Val	Thr	Ala	Val	Ile	Val	Gly	Thr	Ile	Leu
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Gly	Phe	Ala	Leu	Arg	Pro	Tyr	Lys	Met	Ser	Tyr	Arg	Glu	Val	Lys	Tyr
65				70				75				80			
Phe	Ser	Phe	Pro	Gly	Glu	Leu	Leu	Met	Arg	Met	Leu	Gln	Met	Leu	Val
85				90				95							
Leu	Pro	Leu	Ile	Ile	Ser	Ser	Leu	Val	Thr	Gly	Met	Ala	Ala	Leu	Asp
100				105				110							
Ser	Lys	Ala	Ser	Gly	Lys	Met	Gly	Met	Arg	Ala	Val	Val	Tyr	Tyr	Met
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Thr	Thr	Thr	Ile	Ile	Ala	Val	Val	Ile	Gly	Ile	Ile	Ile	Val	Ile	Ile
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Ile	His	Pro	Gly	Lys	Gly	Thr	Lys	Glu	Asn	Met	Tyr	Arg	Glu	Gly	Lys
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Ile	Val	Gln	Val	Thr	Ala	Ala	Asp	Ala	Phe	Leu	Asp	Leu	Ile	Arg	Asn
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Met	Phe	Pro	Pro	Asn	Leu	Val	Glu	Ala	Cys	Phe	Lys	Gln	Phe	Lys	Thr
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Ser	Tyr	Glu	Lys	Arg	Ser	Phe	Lys	Val	Pro	Ile	Gln	Ser	Asn	Glu	Thr
195				200				205							
Leu	Leu	Gly	Ala	Val	Ile	Asn	Asn	Val	Ser	Glu	Ala	Met	Glu	Thr	Leu
210				215				220							
Thr	Arg	Ile	Arg	Glu	Glu	Met	Val	Pro	Val	Pro	Gly	Ser	Val	Asn	Gly
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Val	Asn	Ala	Leu	Gly	Leu	Val	Val	Phe	Ser	Met	Cys	Phe	Gly	Phe	Val
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290	295	300
Glu Asp Met Gly Val Ile Gly Gly Gln Leu Ala Met Tyr Thr Val Thr		
305	310	315
Val Ile Val Gly Leu Leu Ile His Ala Val Ile Val Leu Pro Leu Leu		
325	330	335
Tyr Phe Leu Val Thr Arg Lys Asn Pro Trp Val Phe Ile Gly Gly Leu		
340	345	350
Leu Gln Ala Leu Ile Thr Ala Leu Gly Thr Ser Ser Ser Ser Ala Thr		
355	360	365
Leu Pro Ile Thr Phe Lys Cys Leu Glu Glu Asn Asn Gly Val Asp Lys		
370	375	380
Arg Ile Thr Arg Phe Val Leu Pro Val Gly Ala Thr Ile Asn Met Asp		
385	390	395
Gly Thr Ala Leu Tyr Glu Ala Leu Ala Ala Ile Phe Ile Ala Gln Val		
405	410	415
Asn Asn Phe Asp Leu Asn Phe Gly Gln Ile Ile Thr Ile Ser Ile Thr		
420	425	430
Ala Thr Ala Ala Ser Ile Gly Ala Ala Gly Ile Pro Gln Ala Gly Leu		
435	440	445
Val Thr Met Val Ile Val Leu Thr Ser Val Gly Leu Pro Thr Asp Asp		
450	455	460
Ile Thr Leu Ile Ile Ala Val Asp Trp Phe Leu Asp Arg Leu Arg Thr		
465	470	475
Thr Thr Asn Val Leu Gly Asp Ser Leu Gly Ala Gly Ile Val Glu His		
485	490	495

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Leu Ser Arg His Glu Leu Lys Asn Arg Asp Val Glu Met Gly Asn Ser

500

505

510

Val Ile Glu Glu Asn Glu Met Lys Lys Pro Tyr Gln Leu Ile Ala Gln

515

520

525

Asp Asn Glu Pro Glu Lys Pro Val Ala Asp Ser Glu Thr Lys Met

530

535

540

543